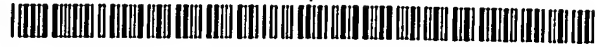


Abstract

A fluid control device is characterized in that the device is structured of a hollow first fluid path (21) and second fluid path (22), a housing portion (1) formed between the first fluid path and the second fluid path and having a hollow portion with a cross-sectional area larger than cross-sectional areas of both fluid paths, and a valve member (3) that has a main body (31) and a projection portion (32) that are installed in an opening portion where the first fluid path is connected to the hollow portion and that is formed of an elastic material. The fluid control device enables the circulation of liquid when the pressure of liquid flowing from the first fluid path toward the second fluid path is more than a predetermined level. The fluid control device enables accurate and safe measurement of pressure including blood pressure, and, when flushing operation of an infusion circuit etc. is finished, the device enables speedy lowering of pressure to a value that accurately reflects blood pressure of a patient and enables obtaining of a necessary flow rate in a region where pressure is relatively low.

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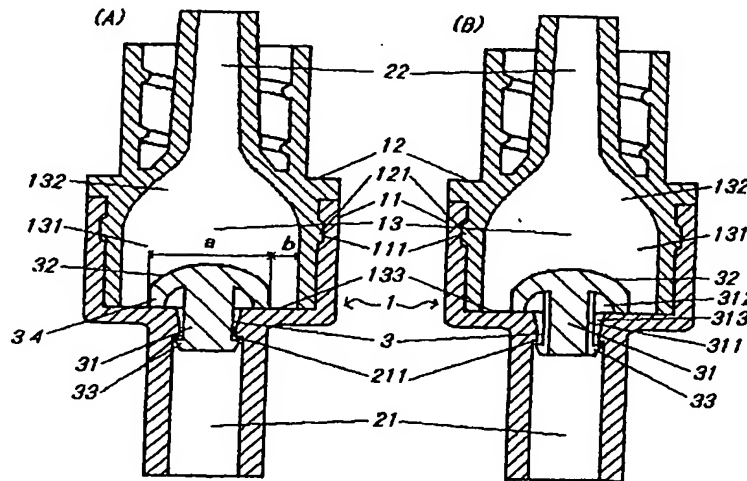
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(21) 国際出願番号: PCT/JP2003/009930 (75) 発明者/出願人 (米国についてのみ): 藤井 亮至 (FUJII, Ryoji) [JP/JP]; 〒730-8652 広島県 広島市中区 加古町12番17号 株式会社ジェイ・エム・エス内 Hiroshima (JP). 澤 健治 (SAWA, Kenji) [JP/JP]; 〒730-8652 広島県 広島市中区 加古町12番17号 株式会社ジェイ・エム・エス内 Hiroshima (JP).
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(54) Title: FLUID CONTROL DEVICE

(54) 発明の名称: 流体制御装置



(57) **Abstract:** A fluid control device is characterized in that the device is structured of a hollow first fluid path (21) and second fluid path (22), a housing portion (1) formed between the first fluid path and the second fluid path and having a hollow portion with a cross-sectional area larger than cross-sectional areas of both fluid paths, and a valve member (3) that has a main body (31) and a projection portion (32) that are installed in an opening portion where the first fluid path is connected to the hollow portion and that is formed of an elastic material. The fluid control device enables the circulation of liquid when the pressure of liquid flowing from the first fluid path toward the second fluid path is more than a predetermined level. The fluid control device enables accurate and safe measurement of pressure including blood pressure, and, when flushing operation of a transfusion circuit etc. is finished, the device enables speedy lowering of pressure to a value that accurately reflects blood pressure of a patient and enables obtaining of a necessary flow rate in a region where pressure is relatively low.

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